

Public View Monitor Camera with Age and Gender Analysis

As well as helping to deter and detect shoplifters, the Wisenet TNB-6030/BIO Public View Monitor Camera is equipped with AI-Bio-DASH, which produces an analysis of the age and gender of store visitors.

The Wisenet TNB-6030/BIO is intended to be located at store entrances, shopping aisles and check-outs so that to deter any criminal activity.

Using facial detection technology, the AI-Bio-DASH module is ready to be used out-of-box with the Wisenet TNB-6030/BIO and can be linked to personalised digital signage targeted at the person whose image has been captured by the camera, e.g. a young boy or an adult woman.

The Wisenet TNB-6030/BIO needs to be installed at an height of 1.70 metres and positioned so that it can capture the frontal view of faces.

TNB-6030

Public View Monitor Camera



Key Features

- 2Megapixel (1920 x 1080) resolution
- HDMI Output (1080p Full HD)
- True WDR (150dB)
- Face detection overlay
- Text overlay and blinking "Recording in progress"
- Discreet design for public view monitoring
- 60fps@all resolutions, 0.06 Lux@F2.5 (Color)
- 265, H.264, MJPEG codec supported, Multiple streaming
- SD/SDHC/SDXC memory slot (256GB)
- Hallway view, WiseStreamII, LDC support
- Bi-directional audio support, Alarm I/O (1ea)
- PoE, 12V DC

WISeNET

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People counting, crowd monitoring and age & gender analysis

Hanwha Techwin and analytic specialists A.I Tech have jointly engineered two retail store optimisation solutions to enable retail chains, as well as small outlets such as convenience stores, newsagents and petrol stations, to gain a greater understanding of the type and numbers of people who visit their stores.

Accurate and Reliable

Both of the cost-effective cameras solutions, which are supplied ready to work out-of-box, are equipped with A.I. Tech video analytics to provide retailers with valuable business intelligence.

The advanced intelligence and artificial vision algorithms incorporated into A.I. Tech's powerful analytics engine have been developed as a result of 25 years experience of designing innovative and intelligent video analysis solutions.

Wisenet AI-Retail-DASH

The Wisenet AI-Retail-DASH solution takes advantage of the superb quality images captured by the 2 megapixel network Wisenet XND-6010/RET dome camera. It also harnesses the massive processing power of the chipset at the heart of Wisenet X series cameras to enable A.I. Tech's edge-based video analytics to run onboard the Wisenet XND-6010/RET dome camera.

The Wisenet AI-Retail-DASH solution is available with a number of modules.

XND-6010

2M Network Dome Camera



Key Features

- Max. 2megapixel (1920 x 1080) resolution
- Built-in 2.4mm fixed lens
- Max. 60fps@all resolutions (H.265/H.264)
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Day & Night (ICR), WDR (150dB), Defog
- Loitering, Directional detection, Fog detection, Audio detection, Digital auto tracking, Sound classification, Heatmap, People counting, Queue management, Tampering
- Motion detection, Handover
- SD/SDHC/SDXC memory slot (Max. 512GB), PoE / 12V DC
- Hallway view, WiseStream II support, IK08
- LDC support (Lens Distortion Correction)

AI-DASH

AI-Dash offers easy-to-read reports on the data analysed by the AI-People, AI Crowd and AI-Overcrowd modules and can be stored via an SD card onboard the Wisenet XND-6010/RET dome camera. It does so via an intuitive dashboard which can be remotely accessed from a web browser. When multiple cameras are deployed, there is the option to run the dashboard on a server.

To achieve the maximum possible accuracy from the Wisenet AI-Retail-DASH solution and associated modules, it is necessary to mount the Wisenet XND-6010/RET dome camera with an overhead view at a height of at least 3 metres.



AI-PEOPLE

AI-People provides the opportunity to count the number of people who enter a particular area of a store to enable retailers to judge the effectiveness of in-store promotions, product placement, etc. It does so by detecting the presence of people who cross virtual lines. This module can be configured by store managers in order to meet the specific people counting requirements of individual stores. The direction in which people are walking can be specified and there is no limit to the number of virtual lines which can be set up.

With an accuracy of more than 95%, AI-People is not confused by several people crossing a virtual line at the same time or the presence of shopping carts and strollers.



AI-CROWD

AI-Crowd provides retailers with an estimation of the number of people present in crowded areas where they move slowly or stop, such as at the point of sale.

AI-OVERCROWD

AI-Overcrowd utilises A.I Tech's video analytics to alert a store manager if the number of people within a particular area of a store is too high. The number threshold can be changed as often as required. In addition, this feature can be utilised to manage queues and improve customer flow at store checkouts, which in turn increases customer satisfaction and optimises sales.

Retail Analytics Solution product table

Item Code	Description
XND-6010/RET	2M Network Dome Camera with AI-Retail-DASH application. A 32GB SD card can be installed separately
TNB-6030/BIO	Public View Monitor Camera with AI-Bio-DASH application. A 32GB SD card can be installed separately
AI-APP-FULL4-DASH-EM	Mini PC with up to 4 AI- Retail, AI-Security and AI-Bio running dashboards
AI-APP-FULL6-DASH-EM	Mini PC with up to 6 AI- Retail, AI-Security and AI-Bio running dashboards